

RFP APPENDIX 2



BAIFA Express Lane Network Toll Collection System

Required Proposal Forms

Form A	Requests for Clarifications & Exceptions
Form B	Proposer Project Experience
Form C-1	Implementation and Maintenance Cost Proposal
Form C-2	Unit Prices Cost Proposal
Form C-3	Unit Prices Maintenance
Form C-4	Labor Rates Cost Proposal
Form C-5	Milestone Payments Percentage Cost Proposal
Form C-6	Hypothetical Project Estimate
Form D	California Levine Act
Form E	Iran Contracting Act
Form F	Acknowledgement of Intellectual Property Provisions
Form G	Disposition/Issues Matrix
Form H	Disclosure of Past and Pending Notices, Claims and Legal Actions
Form I	Insurance & Bond Provisions Acknowledgement

Form A, REQUEST FOR CLARIFICATIONS AND EXCEPTIONS

BAIFA Express Lane Network Toll System Integration & Maintenance						
Proposing Firm Name:						
Contact Name:						
Contact Phone Number:						
Contact Email Address:						
Submittal Date:						
RFQ Clarifications and Exceptions Request Form						
#	RFP Section or Appendix Number	Attachement and Document Title	Page Number	Section Number	Specific and Applicable Text	Request for Clarification or Exception
1						
2						
3						
4						
5						
6						
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8						
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Form B, PROPOSER PROJECT EXPERIENCE

Firm Name: _____ ☒ Prime ☐ Sub

Project #1: _____

1. Start and end dates of the project:	
2. Contact information of one (1) owner reference:	
3. Cost of project:	
4. Cost of change orders (to date):	
5. Proposed personnel who worked on this project and a description of their role:	
6. Description of the project and its relevance to BAIFA's project:	

Project #2: _____

1. Start and end dates of the project:	
2. Contact information of one (1) owner reference:	
3. Cost of project:	
4. Cost of change orders (to date):	
5. Proposed personnel who worked on this project and a description of their role:	
6. Description of the project and its relevance to BAIFA's project:	

Project #3: _____

1. Start and end dates of the project:	
2. Contact information of one (1) owner reference:	
3. Cost of project:	
4. Cost of change orders (to date):	
5. Proposed personnel who worked on this project and a description of their role:	
6. Description of the project and its relevance to BAIFA's project:	

Form C, COST PROPOSALS

Cost Proposal Form “C” Series includes:

- Submittal Signature Page
- Form C-1: Implementation
- Form C-2: Maintenance
- Form C-3: Unit Prices
- Form C-4: Hourly Labor Rates
- Form C-5: Implementation Milestone Payments
- Form C-6: Hypothetical Project Estimate

SUBMITTAL SIGNATURE

The Cost Proposal contains some minimal information that is desired by BAIFA for specific functions and components. The prices herein will be utilized in the event that additional components are to be added or removed from the Agreement.

Should there be a discrepancy in calculations on the Cost Proposal forms, the Unit and Lump Sum prices, and their quantities, shall prevail.

Cost Proposal Form "C" Series shall become Attachment C to the Agreement for execution.

SIGNATURE BLOCK

Note: Please return all pages with your Proposal (printed and scanned).

Company Name

Authorized Signature

Mailing Address

Printed Name

City, State, Zip Code

Title

Federal Employer ID Number

Phone Number

Type of Entity (S-Corp, LLC, etc.)

Official EMAIL Address

COST PROPOSAL Form C-1 IMPLEMENTATION

General Instructions:

The total Implementation pricing for the project is included in Form C-1.

The empty lines on Form C-1, Implementation, are to be used by the proposer to add any additional items that have not been specified but are included in the estimate.

Description of Items Requested:

The descriptions below are listed to provide guidance for completing Form C-1, Implementation, as intended. If the proposer's system is different than the descriptions found below, proposers must add the changes to the "Description Modifications" column to reflect the Technical Proposal, including moving descriptions from one item to another, if appropriate. The descriptions are not intended to replace requirements defined in the Attachment A, Scope of Work, or any other terms of the Agreement.

1. Section A: Project Costs

Item	Description	Description Modifications
Mobilization (5% of B+C)	Mobilization costs will be 5% of the sum of the TCS and TSI Services and Development costs.	
Payment Bond	Payment Bond is paid for by the proposer but is separated and included in the Total TCS Implementation Cost so that the Proposer's Unit prices and Lump Sum prices are indicative of the actual costs of the component pricing.	
Performance Bond	A Performance Bond is paid for by the proposer but is separated and included in the Total TCS Implementation & Maintenance Cost so that the Proposer's Unit prices and Lump Sum prices are indicative of the actual costs of the component pricing.	
Escrow for Lane System	Escrow fees are paid for by the proposer but are separated and included for the entire Agreement term in the Total TCS Implementation Cost so that the Proposer's Unit prices and Lump Sum prices are indicative of the actual costs of the component pricing.	

2. Section B: TCS

Item	Description	Description Modifications
I-680 Toll Collection System	<p>The Lump Sum for the I-680 Toll Collection System price includes, but is not limited to:</p> <ul style="list-style-type: none"> • Furnishing, installing and testing: <ul style="list-style-type: none"> ○ CCTV systems ○ Variable Toll Message Signs (VTMS) ○ Violation Enforcement System (VES) ○ Traffic Monitoring Stations (TMS) ○ Automatic Vehicle Detection and Automatic Vehicle Classification (AVD/AVC) ○ Automatic Vehicle Identification System (AVI) ○ Lane equipment (Lane Controllers, switches, UPS, etc.) ○ Roadside Communications Network, switches and equipment • Performing all required testing to demonstrate a fully operational system, including end-to-end testing with the RCSC • Coordination with BAIFA, their designated representatives, other contractors, and project partners • Fulfilling all requirements and terms of the Agreement 	
I-880 Toll Collection System/SR-84 Dumbarton Approach/SR-92 San Mateo Approach Toll Collection System Approach	<p>The Lump Sum for the I-880 Toll Collection System/SR-84 Dumbarton Approach/SR-92 San Mateo Approach Toll Collection System price includes, but is not limited to:</p> <ul style="list-style-type: none"> • Furnishing, installing and testing: <ul style="list-style-type: none"> ○ CCTV systems ○ Variable Toll Message Signs (VTMS) ○ Violation Enforcement System (VES) ○ Traffic Monitoring Stations (TMS) ○ Automatic Vehicle Detection and Automatic Vehicle Classification (AVD/AVC) ○ Automatic Vehicle 	

Item	Description	Description Modifications
	<p>Identification System (AVI)</p> <ul style="list-style-type: none"> ○ Lane equipment (Lane Controllers, switches, UPS, etc.) ○ Roadside Communications Network, switches and equipment <ul style="list-style-type: none"> ● Performing all required testing to demonstrate a fully operational system, including end-to-end testing with the RCSC ● Coordination with BAIFA, their designated representatives, other contractors, and project partners ● Fulfilling all requirements and terms of the Agreement 	
I-80 Toll Collection System	<p>The Lump Sum for the I-80 Toll Collection System price includes, but is not limited to:</p> <ul style="list-style-type: none"> ● Furnishing, installing and testing: <ul style="list-style-type: none"> ○ CCTV systems ○ Variable Toll Message Signs (VTMS) ○ Violation Enforcement System (VES) ○ Traffic Monitoring Stations (TMS) ○ Automatic Vehicle Detection and Automatic Vehicle Classification (AVD/AVC) ○ Automatic Vehicle Identification System (AVI) ○ Lane equipment (Lane Controllers, switches, UPS, etc.) ○ Roadside Communications Network, switches and equipment ● Performing all required testing to demonstrate a fully operational system, including end-to-end testing with the RCSC ● Coordination with BAIFA, their designated representatives, other contractors, and project partners ● Fulfilling all requirements and terms of the Agreement 	

Item	Description	Description Modifications
Host Systems	<p>The Lump Sum for the Host price includes, but is not limited to:</p> <ul style="list-style-type: none"> • Furnishing, installing and testing: <ul style="list-style-type: none"> ○ All servers ○ All development of the solution software • All documentation • System interfaces • Trip pricing software algorithm • Simulator • All Hardware necessary, workstations, terminals, switches, UPSs, storage, printers, etc. • All report development and testing • User interfaces • Video solution, interfaces and all required equipment • Performing all required testing to demonstrate a fully operational system, including end-to-end testing with the RCSC • Toll Roadway Operations Center • Network communication • All other functionality as described in the RFP for the Host system 	

3. Section C: Toll System Integrator (TSI) Services and Development

Item	Description	Description Modifications
Design Development	<p>The Design and Development Lump Sum price includes, but is not limited to:</p> <ul style="list-style-type: none"> • As-builts • Backup and Recovery Plan • Detailed Design Document • Electrical Design • Final Acceptance Testing • Interface Control Documents (ICDs) • Maintenance Plan, Preventive Maintenance Plan • Network Design • Preliminary and Final Deployment Plan • Preliminary Design Document 	

Item	Description	Description Modifications
	<ul style="list-style-type: none"> • Quality Management Plan, Project Management Plan • Software Development Plan, Configuration Management Plan • Software Documentation • Software Specifications • System Commissioning Testing • System Design (Hardware) • Technical Management (System, Electrical Network, Technical Meetings) • Test Plans (Prelim Test Plan, FAT Plan, Field Test Plan) • Training • Training Plans • User Manuals • Wiring Diagrams, Shop Drawings • All other requirements as described in the RFP for the design and development of the TCS 	
Program Management	<p>The Project Management Lump Sum price includes, but is not limited to:</p> <ul style="list-style-type: none"> • Project management activities (status meetings, schedule updates, invoices, progress reports, etc.) • All other requirements as described in the RFP for the program and project management 	

4. Section D: Additional Items

Item	Description	Description Modifications
Additional Items	<p>The Additional Item prices include, but are not limited to:</p> <ul style="list-style-type: none"> • All Costs for Maintenance of Traffic (MOT) to Install Test and maintain the systems • Initial spare parts inventory • Any additional items that the Proposer requires for a fully operational toll system 	

COST PROPOSAL Form C-1 IMPLEMENTATION

ITEM / LINE	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
A	1	Project Costs			
	2	Mobilization (5% of B+C)	Lump Sum	1	
	3	Payment Bond	Lump Sum	1	
	4	Performance Bond	Lump Sum	1	
	5	Escrow for Lane System	Lump Sum	1	
	6	Subtotal – Project Costs Section A			
B	7	Toll Collection System			
	8	I-680 Corridor TCS	Lump Sum	1	
	9	I-880/SR-92/SR84 Corridor TCS	Lump Sum	1	
	10	I-80 Corridor TCS	Lump Sum	1	
	11	TCS Host Systems	Lump Sum	1	
	12				
	13				
	14				
	15				
	16	Subtotal - Toll Collection System Section B			
C	17	TSI Services & Development			
	18	Design Development	Lump Sum	1	
	19	Program Management	Lump Sum	1	
	20				
	21				
	22				
	23				
	24	Subtotal - TSI Services & Dev. Section C			
D	25	Additional Items			
	26	Maintenance of Traffic	By Site		
	27	Spare Parts	Lump Sum	1	
	28				
	29				
	30				
	31	Subtotal - Additional Items Section D			
E	32	Total TCS Implementation Cost (Sections A, B, C, and D)			

COST PROPOSAL Form C-2 MAINTENANCE

General Instructions:

Cost Proposal Form C-2 provides Agreement Maintenance Costs for monthly maintenance by Corridor, by combinations of Corridors, and in total. The Unit (one month) price shall be inclusive of all maintenance activities and services as defined in the Attachment A, Scope of Work, and any other terms of the Agreement.

It is expected that maintenance for multiple Corridors will be consolidated into one monthly price; therefore, combined prices shall reflect synergies and cost savings for the total cost of maintenance on multiple Corridors as shown in the form.

Description of Items Requested:

Prices shall reflect the cost for maintenance of the Host and TCS associated with the Corridors.

Prices for Corridor Maintenance shall be based on the quantities of installed TCS Corridor Hardware and equipment shown in Attachment A, Scope of Work Reference Document 2A, Tolling Location Details.

The quantity of months for maintenance are based on Tolling Commencement dates from Attachment B, Schedule and Project Milestone Dates, and are included to assist in pricing of Maintenance during and after Warranty Periods. Maintenance during Warranty Periods is the time when hardware is under warranty and labor is the only factor as materials are covered under warranty.

Item	Description
TCS Maintenance (and TCS Maintenance during Warranty Periods)	<p>The Toll System Maintenance price includes, but is not limited to:</p> <ul style="list-style-type: none">• Corridor TCS maintenance during and after Warranty Periods• Host maintenance during and after Warranty Periods• Maintenance of the roadside communications• Annual Performance Audit (Replace the X with the estimated number of performance audits.) <p>Maintenance prices will be escalated using CPI. DO NOT show escalations in the forms.</p>

COST PROPOSAL Form C-2
MAINTENANCE

			← AGREEMENT MONTHS →						
Monthly Maintenance Costs of:	Tolling Commencement Date	Contract End	Apr-16		Apr-17		Oct-17		Jun-19
Host System	3/17/2016	6/30/2019	Provide 1 month of costs		Provide 1 month of costs				
I-680 Corridor TCS	3/17/2016	6/30/2019	Provide 1 month. of costs		Provide 1 month of costs				
I-880/SR-84/SR-92 TCS	3/16/2017	6/30/2019				Provide 1 month of costs		Provide 1 month of costs	
I-80 TCS	9/21/2017	6/30/2019					Provide 1 month of costs		Provide 1 month of costs
Sum Monthly Costs of Systems			\$ (Add monthly costs of lines above)		\$		\$		\$
Multiply by # of months in each section			12 months		6 months		6 months		9 months
Total Maintenance Costs for each section			\$		\$		\$		\$
Annual Performance Audit for X years			\$						
Total Agreement Maintenance Costs			\$						
	= Monthly Maintenance Costs <u>during</u> Warranty								
	= Monthly Maintenance Costs <u>after</u> Warranty								

COST PROPOSAL Form C-2
MAINTENANCE

EXAMPLE:

(This is for representational purposes only.)

			← AGREEMENT MONTHS →																			
Monthly Maintenance Costs of:	Tolling Commence-ment Date	Contract End																				
			Apr-16				Apr-17				Oct-17				Jun-19							
Host System	3/17/2016	6/30/2019	\$1,000				\$2,000															
I-680 Corridor TCS	3/17/2016	6/30/2019	\$1,000				\$2,000															
I-880/SR-84/SR-92 TCS	3/16/2017	6/30/2019					\$1,500				\$3,000											
I-80 TCS	9/21/2017	6/30/2019									\$750				\$1,500							
Sum Monthly Costs of Systems			\$2,000				\$5,500				\$6,250				\$7,750				\$8,500			
Multiply by # of months in each section			12 months				6 months				6 months				6 months				9 months			
Total Maintenance Costs for each section			\$24,000				\$33,000				\$37,500				\$46,500				\$76,500			
Annual Performance Audit for 4 years			\$20,000																			
Total Agreement Maintenance Costs			\$237,500																			

COST PROPOSAL Form C-3 UNIT PRICES

General Instructions:

The Unit pricing for the project is summarized in Form C-3. The items required are indicated as Unit prices for specific systems. These prices shall include, but not be limited to, Hardware and equipment, Software, installation and traffic control, configuration and testing, network communications components required to support a functional/operational system, and documentation (as-builts, etc.).

The empty lines on Form C-3, Unit Prices, are to be used by the proposer to add any additional items that have not been specified but are included in the estimate.

Description of Items Requested:

The descriptions below are listed to provide guidance for completing Form C-3, Unit Prices, as intended. If the proposed system is different than the descriptions found below, proposers must add the changes to the "Description Modifications" column to reflect the Technical Proposal, including moving descriptions from one item to another, if appropriate. The descriptions are not intended to replace requirements defined in the Attachment A, Scope of Work, or any other terms of the Agreement.

Item	Description	Description Modifications
Host System Integration to a new Corridor	<ul style="list-style-type: none"> • Integration • Testing • Documentation 	
Lane Controller Systems	<ul style="list-style-type: none"> • The equipment that provides the infrastructure and control for a Read Point not included in the other systems mentioned below • Installation of the power and communication infrastructure needed to support the Lane Controller • Beacons • All Hardware, cabinets etc. • Integration • Testing • Documentation 	
Reader/Antenna System (AVI)	<p>The equipment to provide AVI Functionality for a Read Point:</p> <ul style="list-style-type: none"> • Reader • Antenna • Mounting Hardware • Installation of the power and communication infrastructure needed to connect to the Lane Controller • Integration 	

Item	Description	Description Modifications
	<ul style="list-style-type: none"> • Testing • Documentation 	
Automatic Vehicle Detection and Automatic Vehicle Classification (AVD/AVC)	<p>The equipment to provide AVD/AVC Functionality for a Read Point:</p> <ul style="list-style-type: none"> • Detection equipment • Classification equipment • Mounting or installation Hardware • Installation of the communication infrastructure needed to connect to the Lane Controller • Integration • Testing • Documentation 	
Traffic Monitoring System	<p>The equipment to provide Traffic Monitoring Functionality at the indicated locations:</p> <ul style="list-style-type: none"> • Reader • Installation of the power and communication infrastructure needed to connect to the TCS • Integration • Testing • Documentation 	
Vehicle Enforcement System (VES)	<p>The equipment to provide VES at the indicated locations :</p> <ul style="list-style-type: none"> • Cameras • Flash Units • Mounting Hardware • Installation of the power and communication infrastructure needed to connect to the TCS • Integration • Testing • Documentation 	
CCTV System	<p>The equipment to provide CCTV at the indicated locations :</p> <ul style="list-style-type: none"> • Cameras • Installation of the power and communication infrastructure needed to connect to the Network • Integration 	

Item	Description	Description Modifications
	<ul style="list-style-type: none"> • Testing • Documentation 	
VTMS System	<p>The equipment to provide VTMS at the indicated locations:</p> <ul style="list-style-type: none"> • Signs • Sign controllers • Installation of the power and communication infrastructure needed to connect to the Network • Integration • Testing • Documentation 	
Additional Items	<p>The Additional Item prices include, but are not limited to:</p> <ul style="list-style-type: none"> • All Costs for Maintenance of Traffic (MOT) to Install Test and maintain the systems • Initial spare parts inventory • Any additional items that the Proposer requires for a fully operational toll system 	

COST PROPOSAL Form C-3
UNIT PRICES

ITEM / LINE		DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
A	1	Project Costs				
	2					
	3					
	4					
	5					
B	6	Toll Collection System				
	7	Host System Integration to a new Corridor	Each	1		
	8	Lane Controller System	Each	1		
	9	Reader/Antenna System (AVI)	Each	1		
	10	AVD/AVC System	Each	1		
	11	Traffic Monitoring System	Each	1		
	12	Vehicle Enforcement System	Each	1		
	13	CCTV System	Each	1		
	14	VTMS System	Each	1		
C	15	TSI Services & Development				
	16					
	17					
	18					
	19					
	20					
D	21	Additional Items				
	22	Maintenance of Traffic	Per Site	1		
	23	Spare Parts	Per Read Point	1		
	24	Spare Parts	Per CCTV	1		
	25	Spare Parts	Per VTMS	1		
	26					

COST PROPOSAL Form C-4 HOURLY LABOR RATES

General Instructions:

Provide the hourly rates, inclusive of overhead, profit, insurance, etc., for the positions listed below. Do not include bond or escrow costs. Proposers shall identify the proposed staff and any additional positions necessary to meet the requirements in Attachment A, Scope of Work.

Rates provided shall be effective for the term of the Agreement. If the Agreement is extended, the rates from the last fiscal year of the Agreement shall be escalated annually thereafter for extension periods according to the then current California Consumer Price Index (CPI) for San Francisco CMSA as published by the California Department of Finance. The escalation shall be the percentage increase or decrease calculated by comparing the index of the last fiscal year of the term of the Agreement to the index of the fiscal year for the renewal term. BAIFA's fiscal year is from July through June.

Description of Items Requested:

In Section A, provide the rates for the Key Personnel listed below.

In Section B, provide rates for all other proposed staff by listing the position title and the name of the staff member.

In Section C, provide any additional positions that may be necessary for the full term of the agreement. Include a brief description of tasks, type of expertise, years of expertise, and any required certifications. Providing tiered levels of technical experts, based on the years of applicable experience, is preferred. Examples are provided below.

Section C Examples: Other Hourly Labor Rates (for illustrative purposes only)

Position	Description
Project Controls/Scheduler	<div>Provide for each position:</div> <ul style="list-style-type: none">• Description of tasks or responsibilities• Type of expertise• Years of experience• Certifications
Programmer I	
Programmer II	
Reports Developer	
Technical Documentation Specialist	
Database Administrator I	
Database Administrator II	
Systems Administrator	
Sr. Systems Administrator	
Installation Supervisor	
Network Design/Integration Manager	
System Test Manager	
System Test Coordinator	
Maintenance Tech I	

**COST PROPOSAL Form C-4
HOURLY LABOR RATES**

ITEM / LINE		DESCRIPTION		YEAR 1 NTP to June 2015	YEAR 2 July 2015 to June 2016	YEAR 3 July 2016 to June 2017	YEAR 4 July 2017 to June 2018	YEAR 5 July 2018 to June 2019
A	1	Unit Prices Hourly Labor Rates – Key Personnel						
		Position	Description					
	2	Project Principal	10+ years experience in tolling; 5+ years of senior mgmt; Managed 1+ project of \$5 million or more					
	3	Project Mgr	5+ years experience in program management for similar toll services					
	4	System Design Mgr	3+ years experience designing and developing open road TCSs					
	5	Software Dev Mgr	3+ years experience in managing the development lifecycle of software and hardware for TCSs					
	6	Installation Mgr	3+ years experience providing construction and/or TCS installation management and oversight					
	7	Communications Dev Mgr	3+ years experience managing communications network design/integration for toll systems/interfaces					
	8	Maintenance Mgr	3+ years experience maintaining TCSs for clients					
	9	Project Quality Mgr	3+ years as a Quality Assurance Manager on similar size and type projects					
B	10	Unit Prices Hourly Labor Rates – Proposed Personnel Positions		YEAR 1 NTP to June 2015	YEAR 2 July 2015 to June 2016	YEAR 3 July 2016 to June 2017	YEAR 4 July 2017 to June 2018	YEAR 5 July 2018 to June 2019
		Position	Name of Proposed Staff Member					
	11							
	12							
	13							
	14							
	15							
	16							
	17							

	18							
	19							
C	20	Unit Prices Hourly Labor Rates – Other Hourly Labor Rates		YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
		Position	Description	NTP to June 2015	July 2015 to June 2016	July 2016 to June 2017	July 2017 to June 2018	July 2018 to June 2019
	21							
	22							
	23							
	24							
	25							
	26							
	27							
	28							
	29							
	30							

COST PROPOSAL Form C-5 IMPLEMENTATION MILESTONE PAYMENTS

General Instructions:

Form C-5 is used to allocate, by percentage, implementation prices provided in Form C-1 (Implementation) into Milestone Payments. The column, "Form C-1 Item/Line" has been provided for guidance on the dollar amount to include in the column, "Form C-1 Total". Multiply the percentage with the dollar amount in column, "Form C-1 Total" to derive the Milestone Payment.

The sum of Form C-5 should equal the total amount for TCS Implementation shown in Form C-1, Section E, Line 32.

COST PROPOSAL Form C-5 IMPLEMENTATION MILESTONE PAYMENTS

#	Milestone Name	Percentage	Form C-1 Item/Line	Form C-1 Amount	Milestone Payment
Milestone Series 1: Program Development					
1-1	Project Initiation	0.5%	E 32		
1-2	Requirements Refinement	2%	E 32		
1-3	Preliminary Design Approval	2%	E 32		
1-4	Critical Design Approval	2%	E 32		
1-5	Other Plans	0.5%	E 32		
1-6	Factory Acceptance Test (FAT)	4%	E 32		
Milestone Series 2: I-680 (First) Corridor Deployment					
2-1	I-680 Installation Readiness	5%	B 8		
2-2	Onsite First Installation Test (OFIT)	5%	B 8		
2-3	Disaster Recovery Installation	5%	B 8		
2-4	I-680 End-to-end Test	65%	B 8		
2-5	Training	5%	B 8		
2-6	I-680 Tolling Commencement	5%	B 8		
2-7	Operations Test	10%	B 8		
Milestone Series 3: I-880/SR-92/SR-84 Corridor Deployment					
3-1	I-880 Installation Readiness	5%	B 9		
3-2	Incremental & Regression Test	5%	B 9		
3-3	I-880 End-to-end Test	75%	B 9		
3-4	I-880 Tolling Commencement	5%	B 9		
3-5	I -880 Operations Testing	10%	B 9		
Milestone Series 4: I-80 Corridor Deployment					
4-1	I-80 Installation Readiness	5%	B 10		
4-2	Incremental & Regression Test	5%	B 10		
4-3	I-80 End-to-end Test	75%	B 10		
4-4	I-80 Tolling Commencement	5%	B 10		
4-5	I-80 Operations Testing	10%	B 10		
Milestone Series 5: Express Lane Network System Acceptance					
5-1	System Acceptance	Remaining of Total Project Cost			
TOTAL TCS Implementation Cost					

COST PROPOSAL Form C-6 HYPOTHETICAL PROJECT ESTIMATE

General Instructions:

In the future, BAIFA may request the same or similar services to be provided on additional phases or projects under this Agreement. For this reason, BAIFA is providing a Cost Proposal form that is to be used to provide hypothetical project pricing for two (2) scenarios provided below.

The prices are to be based on the Unit prices provided on Forms C-2, Maintenance, and C-3, Unit Prices and any additional information needed to provide a fully functioning addition to the system. The prices shall use 2013 dollars.

Fill out one form for each scenario and label each accordingly. The price shall have the following characteristics to implement the solution:

1. Detailed description of each item; this may include hours, men, resources, etc.
2. The quantity and Unit prices from Forms C-2, Maintenance, and C-3, Unit Prices
3. Additional equipment required in support of the main items
4. Roadside communication network
5. Project Management and Coordination efforts
6. Engineering
7. Documentation and documentation updates
8. Testing
9. Maintenance of Traffic
10. Maintenance and Warranty
11. All installation

The empty lines on Form C-6 are to be used by the proposer to add any additional items that have not been specified but are included in the estimate.

Pricing Scenario 1:

A new segment is being added to I-80 at the end of the current limits. There will be:

1. Five (5) additional read points
2. Three (3) additional CCTV installations
3. Two (2) VTMS locations
4. Seven (7) mile extension of the terminus

Using Form C-6, provide pricing and quantities. Also, include a short scope and an issues and concerns document for the scenario.

Pricing Scenario 2:

One (1) Read Point and one (1) VTMS are being removed from I-880 at the terminus.

Using Form C-6, provide pricing and quantities. Also, include a short scope and an issues and concerns document for the scenario.

Description of Items Requested:

The descriptions below are listed to provide guidance for completing Form C-6 as intended. If the proposed system is different than the descriptions found below, proposers must add the changes to the “Description Modifications” column to reflect the hypothetical Technical Proposal, including moving descriptions from one item to another, if appropriate.

Item	Description	Description Modifications
Program Management	<ul style="list-style-type: none">• Changes to Program Schedule• Manpower changes	
Host System Integration to a New Corridor	<ul style="list-style-type: none">• Integration• Testing• Documentation	
Lane Controller System	<ul style="list-style-type: none">• The equipment that provides the infrastructure and control for a Read Point not included in the other systems mentioned below• Installation of the power and communication infrastructure needed to support the Lane Controller• Beacons• All Hardware, cabinets etc.• Integration• Testing• Documentation	
Reader/Antenna System (AVI)	<p>The equipment to provide AVI Functionality for a Read Point:</p> <ul style="list-style-type: none">• Reader• Antenna• Mounting Hardware• Installation of the power and communication infrastructure needed to connect to the Lane Controller• Integration• Testing• Documentation	
Automatic Vehicle Detection and Automatic Vehicle Classification (AVD/AVC)	<p>The equipment to provide AVC Functionality for a Read Point:</p> <ul style="list-style-type: none">• Detection equipment• Classification equipment• Mounting or installation Hardware• Installation of the communication	

Item	Description	Description Modifications
	<p>infrastructure needed to connect to the Lane Controller</p> <ul style="list-style-type: none"> • Integration • Testing • Documentation 	
Traffic Monitoring System	<p>The equipment to provide Traffic Monitoring Functionality at the indicated locations:</p> <ul style="list-style-type: none"> • Reader • Installation of the power and communication infrastructure needed to connect to the TCS • Integration • Testing • Documentation 	
Vehicle Enforcement System (VES)	<p>The equipment to provide VES at the indicated locations :</p> <ul style="list-style-type: none"> • Cameras • Flash Units • Mounting Hardware • Installation of the power and communication infrastructure needed to connect to the TCS • Integration • Testing • Documentation 	
CCTV System	<p>The equipment to provide CCTV at the indicated locations :</p> <ul style="list-style-type: none"> • Cameras • Installation of the power and communication infrastructure needed to connect to the Network • Integration • Testing • Documentation 	
VTMS System	<p>The equipment to provide VTMS at the indicated locations:</p>	

Item	Description	Description Modifications
	<ul style="list-style-type: none"> • Signs • Sign controllers • Installation of the power and communication infrastructure needed to connect to the Network • Integration • Testing • Documentation 	
Engineering	<ul style="list-style-type: none"> • Services needed to: <ul style="list-style-type: none"> ○ Design communications network ○ Address TCS design issues (e.g. hilly terrain) 	
Communication Systems Enhancements	<ul style="list-style-type: none"> • Any additional components needed to implement the communications system including but not limited to: <ul style="list-style-type: none"> ○ Switches ○ Fiber connections ○ Conduit and medium (fiber, wire etc.) ○ Leased considerations ○ Coordination with other agencies ○ Reuse or repurpose of assets ○ Other 	
Warranty Costs	<ul style="list-style-type: none"> • Per major system such as Read Point, CCTV location, etc. 	
Training and Documentation	<ul style="list-style-type: none"> • Additional training • Documentation of systems • As-builts • ICDs 	
Additional Items	<p>The Additional Item prices include, but are not limited to:</p> <ul style="list-style-type: none"> • All Costs for Maintenance of Traffic (MOT) to Install Test and maintain the systems • Initial spare parts inventory • Any additional items that the Proposer requires for a fully operational toll system 	

COST PROPOSAL Form C-6
HYPOTHETICAL PROJECT ESTIMATE

ITEM / LINE		DETAILED DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
A	1	Project Costs				
	2	Program Management				
	3	Payment Bond	Lump Sum	1		
	4	Performance Bond	Lump Sum	1		
	5					
B	6	TCS				
	7	Host System Integration to a New Corridor	Each			
	8	Lane Controller System	Each			
	9	Reader/Antenna System (AVI)	Each			
	10	Automatic Vehicle Classification System	Each			
	11	Traffic Monitoring System	Each			
	12	Vehicle Enforcement System	Each			
	13	CCTV System	Each			
	14	VTMS System	Each			
C	15	Contractor Services & Development				
	16	Engineering	Lump Sum	1		
	17	Communication System Enhancements	Lump Sum	1		
	18	Training and Documentation	Lump Sum	1		
	19					
	20					
D	21	Additional Items				
	22	Maintenance of Traffic	Per Site			
	23	Spare Parts	Lump Sum	1		
	24					
	25					
F	26	TCS Maintenance during/after				
	27	Maintenance during Warranty	Point/Month			
	28	Maintenance after Warranty	Point/Month			
	29	—				
G	30	Other Maintenance Activities				
	31	Changes to the Annual Performance Audit				
	32					
	33					
H	34	TOTAL Hypothetical Project Estimate				

Form D, CALIFORNIA LEVINE ACT STATEMENT

California Government Code § 84308, commonly referred to as the “Levine Act,” precludes an officer of a local government agency from participating in the award of a contract if he or she receives any political contributions totaling more than \$250 in the 12 months preceding the pendency of the contract award, and for three months following the final decision, from the person or company awarded the contract. This prohibition applies to contributions to the officer, or received by the officer on behalf of any other officer, or on behalf of any candidate for office or on behalf of any committee.

MTC’s commissioners include:

Alicia C. Aguirre	Federal D. Glover	Joe Pirzynski
Tom Azumbrado	Scott Haggerty	Jean Quan
Tom Bates	Anne W. Halsted	Bijan Sartipi
David Campos	Steve Kinsey	James P. Spering
Dave Cortese	Sam Liccardo	Adrienne J. Tissier
Bill Dodd	Mark Luce	Scott Wiener
Dorene M. Giacomini	Jake Mackenzie	Amy Rein Worth

1. Have you or your company, or any agent on behalf of you or your company, made any political contributions of more than \$250 to any MTC commissioner in the 12 months preceding the date of the issuance of this request for qualifications?

☐ YES ☐ NO

If yes, please identify the commissioner: _____

2. Do you or your company, or any agency on behalf of you or your company, anticipate or plan to make any political contributions of more than \$250 to any MTC commissioners in the three months following the award of the contract?

☐ YES ☐ NO

If yes, please identify the commissioner: _____

Answering yes to either of the two questions above does not preclude MTC from awarding a contract to your firm. It does, however, preclude the identified commissioner(s) from participating in the contract award process for this contract.

DATE

(SIGNATURE OF AUTHORIZED OFFICIAL)

(TYPE OR WRITE APPROPRIATE NAME, TITLE)

(TYPE OR WRITE NAME OF COMPANY)

Form E, IRAN CONTRACTING ACT of 2010

Prior to bidding on, submitting a proposal or executing a contract or renewal for Bay Area Infrastructure Financing Authority (BAIFA) contract for goods or services of \$1,000,000 or more, a proposer must either: a) certify it is not on the current list of persons engaged in investment activities in Iran created by the California Department of General Services (“DGS”) pursuant to Public Contract Code section 2203(b) and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS; or b) demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code section 2203(c) or (d).

To comply with this requirement, please insert your proposer or financial institution name and Federal ID Number (if available) and complete one of the options below. Please note: California law establishes penalties for providing false certifications, including civil penalties equal to the greater of \$250,000 or twice the amount of the contract for which the false certification was made; contract termination; and three-year ineligibility to bid on contracts. (Public Contract Code section 2205.)

OPTION #1 - CERTIFICATION

I, the official named below, certify I am duly authorized to execute this certification on behalf of the vendor/financial institution identified below, and the vendor/financial institution identified below is not on the current list of persons engaged in investment activities in Iran created by DGS and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person/vendor, for 45 days or more, if that other person/vendor will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

<i>Proposer Name/Financial Institution (Printed)</i>		<i>Federal ID Number (or n/a)</i>
<i>By (Authorized Signature)</i>		
<i>Printed Name and Title of Person Signing</i>		
<i>Date Executed</i>	<i>Executed in</i>	

OPTION #2 – EXEMPTION

Pursuant to Public Contract Code sections 2203(c) and (d), a public entity may permit a proposer/financial institution engaged in investment activities in Iran, on a case-by-case basis, to be eligible for, or to bid on, submit a proposal for, or enters into or renews, a contract for goods and services.

If you have obtained an exemption from the certification requirement under the Iran Contracting Act, please fill out the information below, and attach documentation demonstrating the exemption approval.

<i>Proposer Name/Financial Institution (Printed)</i>		<i>Federal ID Number (or N/A)</i>
<i>By (Authorized Signature)</i>		
<i>Printed Name and Title of Person Signing</i>		<i>Date Executed</i>

Form F, ACKNOWLEDGEMENT OF INTELLECTUAL PROPERTY PROVISIONS

The undersigned acknowledges on behalf of the proposer listed below, by signing and submitting this Proposal, the terms for Intellectual Property, Ownership and Licensing shown in Article 5 in the Agreement for Toll System Integration & Maintenance (Appendix 3) and agrees that the proposer shall comply with the terms in the event the proposer is selected to enter into a contract with BAIFA for the services in this RFP.

Date	_____
Proposer name	_____
Signature	_____
Name (typed or printed)	_____
Title	_____

Form G, DISPOSITION/ISSUES MATRIX

It is incumbent upon the proposer to provide a detailed list of all proposer compliance issues with the Request for Proposal (RFP) requirements, any areas that necessitate development, and any other issues the proposer needs to identify with respect to the requirements and the proposed solution or approach. This form is intended to explain the disposition or issues with requirements relative to the proposed solution. If the proposer does not list an issue on Form G, the proposer affirms and certifies the proposer has no disputes with any part of the RFP and the proposed solution complies with all of the RFP's requirements with no further consideration.

As part of the submitted proposal, the proposer shall complete Form G in the event that:

1. The proposed solution does not fully comply with the RFP in same form or function; or
2. The proposed solution's functionality either:
 - a. Requires some degree of additional development to meet the requirements of the RFP;
 - b. Requires long lead times to produce results according to the RFP; or
 - c. May have legal or financial implications, or create issues with proprietary rights.

Filling out the form:

Column	Content
(1) RFP Section No.	Enter the Request for Proposals section number for the associated requirement. Be as specific as possible using the lowest subsection number (i.e. Section 1.1.1.1 rather than Section 1) and any applicable text of the requirement.
(2) Compliance	If the item being presented meets each and every mandatory requirement contained within that section, <i>as written</i> in its entirety without any modifications, limitations or exclusions, the proposer shall mark this column with "Yes." The proposer shall mark this column with "No" if the proposer's proposed solution does not meet each and every mandatory requirement contained within that section, <i>as written</i> in its entirety without any modifications, limitations or exclusions.
(3) Requires Development	The proposer shall mark the "Yes" column if the proposer's proposed solution requires development to meet each and every mandatory requirement contained within that section, <i>as written</i> in its entirety. If the proposer's proposed solution does <u>not</u> require development to meet each and every mandatory requirement contained within that section, <i>as written</i> , the proposer shall mark the "No" column. For these purposes, "development" shall mean the addition of functionality to the proposer's standard solution is necessary to meet the requirements of the RFP.
(4) Proposer Comments/Notes	To ensure understanding of proposer comments/notes, describe in as much detail as needed the answers provided or any other situations related to compliance with the requirements of the RFP.

Form G, DISPOSITION/ISSUES MATRIX

(1) RFP Section No./Requirement No.	(2) Compliance		(3) Requires Development		(4) Proposer Comments/Notes
	Yes	No	Yes	No	

Form H, DISCLOSURE OF PAST AND PENDING NOTICES, CLAIMS & LEGAL ACTIONS

The proposer shall respond to each of the following questions, and provide a detailed explanation of the circumstances to affirmative responses. The proposer shall attach additional documentation as necessary to fully explain said circumstances. Failure to respond to the questions, fully disclose requested information, or provide adequate explanations may preclude consideration of the proposal and require its rejection.

- 1.) In the past three (3) years has the proposer received, in relation to toll project management, performance, or delivery, any formal notices of material breach of contract, default, letters for cure, or termination for cause, including any mediation/arbitration or resolution/judgment/settlement information. **If yes, then complete details are required.**
- 2.) In the past five (5) years have there been any disputes, pending claims and/or litigation, including any mediation/arbitration or resolutions/judgments/settlements with respect to any of the following issues? **If yes, then complete details are required.**
 - (a) Proposer's payment to subcontractors in relation to a toll project?
☐ **Yes** ☐ **No**
 - (b) Proposer's work performance, completion, and/or maintenance in relation to a toll project?
☐ **Yes** ☐ **No**
 - (c) Employment-related disputes, claims, or litigation brought by an employee of proposer while the employee was working on a toll project?
☐ **Yes** ☐ **No**
 - (d) Proposer's failure to capture or process revenue or otherwise improperly process transactions in relation to a toll project?
☐ **Yes** ☐ **No**
 - (e) Disputes, claims, or litigation either asserted by or against proposer regarding patent, copyright, trademark, trade secret, or any other intellectual property in relation to a toll project?
☐ **Yes** ☐ **No**
- 3.) Does your firm have any outstanding judgments pending against it?
☐ **Yes** ☐ **No**
If **Yes**, explain the circumstances surrounding each instance.
- 4.) In the past five (5) years, has your firm been assessed liquidated damages or penalties on a contract?
☐ **Yes** ☐ **No**
If **Yes**, explain the circumstances surrounding each instance and identify all such projects, the amount assessed and paid, and the name and address of the project owner.

Form I, INSURANCE & BOND PROVISIONS ACKNOWLEDGEMENT

Minimum Insurance Coverages: Consultant shall, at its own expense, obtain and maintain in effect at all times the following types of insurance against claims, damages and losses due to injuries to persons, or damage to property or other losses that may arise in connection with the performance of work under this Agreement, placed with insurers with a Best's rating of A-X or better.

Yes (✓)	Please certify by checking the box below that required coverages will be provided within ten (10) days of MTC's notice to firm that it wishes to contract with the firm.
—	<p><u>Workers' Compensation Insurance</u> with Statutory limits, and Employer's Liability insurance with a limit of not less than \$1,000,000 per occurrence, \$1,000,000 aggregate, and any and all other coverage of CONSULTANT's employees as may be required by applicable law. Such policy shall contain a Waiver of Subrogation in favor of BAIFA. Such Workers Compensation & Employers Liability may be waived, if and only for as long as CONSULTANT is a sole proprietor or a corporation with stock 100% owned by officers with no employees. Should any bridge work require coverage for the United States Longshore Harbor Workers Act, CONSULTANT agrees to furnish proof of insurance, if required.</p>
—	<p><u>Commercial General Liability Insurance</u> for Bodily Injury and Property Damage liability, covering the operations of CONSULTANT and CONSULTANT's officers, agents, and employees and with limits of liability which shall not be less than \$1,000,000 combined single limit per occurrence with a general aggregate liability of not less than \$1,000,000 and Personal & Advertising Injury liability with a limit of not less than \$1,000,000 Such policy shall contain a Waiver of Subrogation in favor of BAIFA and any Additional Insured.</p> <p>MTC, BAIFA, BATA, and their commissioners, directors, officers, representatives, agents and employees are to be named as additional insureds. Such insurance shall be primary and contain a Separation of Insureds Clause as respects any claims, losses or liability arising directly or indirectly from CONSULTANT's operations.</p>
—	<p><u>Business Automobile Insurance</u> for all automobiles owned (if any), used or maintained by CONSULTANT and CONSULTANT's officers, agents and employees, including but not limited to owned (if any), leased (if any), non-owned and hired automobiles, with limits of liability which shall not be less than \$1,000,000 combined single limit per accident.</p> <p>MTC, BAIFA, BATA, and their commissioners, directors, officers, representatives, agents and employees are to be named as additional insureds. Such insurance shall be primary and contain a Separation of Insureds Clause as respects any claims, losses or liability arising directly or indirectly from CONSULTANT's operations.</p>
—	<p><u>Umbrella Insurance</u> in the amount of \$10,000,000 providing excess limits over Employer's Liability, Automobile Liability, and Commercial General Liability</p>

	Insurance. Such umbrella coverage shall be following form to underlying coverage including all endorsements and additional insured requirements.
—	<p>Professional Liability Insurance for CONSULTANT's acts, errors and omissions including for any actual or alleged violations of service mark, trademark, trade name, copyright, or for plagiarism, or misappropriation of ideas, and the resulting damages, including, but not limited to, economic loss to MTC and having minimum limits of \$5,000,000 per claim. Such policy shall contain cyber risk coverages including network and internet security liability coverage, privacy liability coverage and media coverage.</p> <p>The policy shall provide coverage for all work performed by CONSULTANT and any work performed or conducted by any subcontractor/consultant working for or performing services on behalf of the CONSULTANT. No contract or agreement between CONSULTANT and any subcontractor/consultant shall relieve CONSULTANT of the responsibility for providing this Errors & Omissions or Professional Liability coverage for all work performed by CONSULTANT and any subcontractor/consultant working on behalf of CONSULTANT on the project.</p>
—	<p><u>Property Insurance.</u> Property Insurance covering CONSULTANT'S own business personal property and equipment to be used in performance of this Agreement, materials or property to be purchased and/or installed on behalf of MTC (if any), and builders risk for property in the course of construction (if applicable). Coverage shall be written on a "Special Form" policy that includes theft, but excludes earthquake, with limits at least equal to the replacement cost of the property. Such policy shall contain a Waiver of Subrogation in favor of BAIFA.</p>
—	<p><u>Contractors' Pollution Liability Insurance.</u> Contractors' Pollution Liability insurance for bodily injury and property damage coverage with a combined single limit for bodily injury and property damage of at least \$1,000,000 per occurrence or claim and a general aggregate limit of at least \$1,000,000. This insurance shall include coverage for, but not be limited to sudden and accidental discharges; gradual discharges, clean-up of pollutants and disposal thereof; and, mold, asbestos or lead, if an abatement contract. If CONSULTANT disposes of Hazardous Materials under this Agreement, CONSULTANT shall designate the disposal site and provide a certificate of insurance from the disposal facility to MTC.</p> <p>CONSULTANT's Business Automobile Liability coverage shall also be extended to cover pollution liability during loading; unloading and while in transit including, but not limited to, the perils of collision and upset. Coverage may be provided by endorsement to the general liability and automobile policies or by a separate policy.</p> <p>Such policy shall contain a Waiver of Subrogation in favor of BAIFA.</p> <p>MTC, BAIFA, BATA, their commissioners, directors, officers, representatives, agents and employees are to be named as additional insureds. Such insurance shall be primary and contain a Separation of Insureds Clause as respects any claims, losses or liability</p>

	arising directly or indirectly from CONSULTANT's operations.
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All policies will be issued by insurers acceptable to MTC, generally with a Best's Rating of A-X.

Consultant's obligation hereunder may be satisfied in whole or in part by adequately funded self-insurance, upon evidence of financial capacity satisfactory to MTC.

Consultant shall be responsible for payment of any deductible or retention on Consultant's policies without right of contribution from MTC. Deductible and retention provisions shall not contain any restrictions as to how or by whom the deductible or retention is paid. Any deductible or retention provision limiting payment to the Named Insured is unacceptable.

In the event that MTC seeks coverage as an additional insured under any Consultant insurance policy that contains a deductible or self-insured retention, Consultant shall satisfy such deductible or self-insured retention to the extent of loss covered by such policy, for any lawsuit arising from or connected with any alleged act of Consultant, subconsultant, subcontractor, or any of their employees, officers or directors, even if Consultant or subconsultant is not a named defendant in the lawsuit.

If any insurance specified above is written on a "Claims-Made" (rather than an "occurrence") basis, then in addition to the coverage requirements above, Consultant shall:

1. Ensure that the Retroactive Date is shown on the policy, and such date must be before the date of this Agreement or the beginning of any work under this Agreement;
2. Maintain and provide evidence of similar insurance for at least three (3) years following project completion, including the requirement of adding all additional insureds; and
3. If insurance is cancelled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the Agreement effective date, Consultant shall purchase "extended reporting" coverage for a minimum of three (3) years after completion of the work.

All insurance specified above shall remain in force until all work or services to be performed are satisfactorily completed, all of Consultant's personnel, subcontractors, and equipment have been removed from MTC's property, and the work or services have been formally accepted. Consultant must notify MTC if any of the above required coverages are non-renewed or cancelled. The failure to procure or maintain required insurance and/or an adequately funded self-insurance program will constitute a material breach of this Agreement.

Prior to commencement of any work hereunder, Consultant shall deliver to MTC Certificates of Insurance verifying the aforementioned coverages. Such certificates shall make reference to all provisions and endorsements referred to above and shall be signed on behalf of the insurer by an authorized representative thereof.

The foregoing requirements as to the types and limits of insurance coverage to be maintained by Consultant are not intended to and shall not in any manner limit or qualify the liabilities and obligations otherwise assumed by Consultant pursuant hereto, including, but not limited to, liability assumed pursuant to the Indemnification section of this Agreement.

By signing below you acknowledge and agree to provide the required certificate of insurance providing verification of the minimum insurance requirements listed above within ten (10) days of MTC's notice to firm that it wishes to contract with the firm.

Representative Name and Title	
Name of Authorizing Official	
Authorized Signature	
Date	

NOTE: If you were unable to check "Yes" for any of the required minimum insurance coverages listed above, a request for exception to the appropriate insurance requirement(s) must be brought to MTC's attention no later than closing date/time for receipt of requests for modifications/exceptions. If such modifications/exceptions are not brought to MTC's attention consistent with the provisions of this RFP, compliance with the insurance requirements will be assumed.